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ATTORNEY DOCKET NO. CONFIRMATION NO. APPLICATION NO. FILING DATE FIRST NAMED INVENTOR 10/09/2001 040283-0192 09/890,186 David Reginald Adams 7541 EXAMINER 7590 07/16/2004 Bernhard D Saxe BALASUBRAMANIAN, VENKATARAMAN Foley & Lardner ART UNIT PAPER NUMBER Washington Harbour 3000 K Street NW Suite 500 1624 Washington, DC 20007-5109

DATE MAILED: 07/16/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Applicant(s) Application No. Supplemental Notice of Allowability ADAMS ET AL. 09/890,186 Examiner

| · | | Art Office | | |
|--|---|---|--------------------------|--|
| | Venkataraman Balasubramanian | 1624 | | |
| The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313 | (OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to | olication. If not include will be mailed in due | ed course THIS | |
| 1. This communication is responsive to 12/29/2003. | | | | |
| 2. The allowed claim(s) is/are <u>1-4,9-18,29 and 34-36</u> . | | | | |
| 3. The drawings filed on are accepted by the Examiner | ; | | | |
| 4. Acknowledgment is made of a claim for foreign priority unanal | been received. been received in Application No | | tion from the | |
| * Certified copies not received: | | | | |
| Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. | of this communication to file a reply of ENT of this application. | complying with the rec | quirements | |
| 5. A SUBSTITUTE OATH OR DECLARATION must be submi INFORMAL PATENT APPLICATION (PTO-152) which give | tted. Note the attached EXAMINER's s reason(s) why the oath or declarat | S AMENDMENT or Nion is deficient. | OTICE OF | |
| 6. CORRECTED DRAWINGS (as "replacement sheets") must | be submitted. | | | |
| (a) including changes required by the Notice of Draftsperso | | 948) attached | | |
| 1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date | | | | |
| (b) including changes required by the attached Examiner's Paper No./Mail Date | Amendment / Comment or in the Of | ffice action of | | |
| Identifying indicia such as the application number (see 37 CFR 1.4 each sheet. Replacement sheet(s) should be labeled as such in the | B4(c)) should be written on the drawing the header according to 37 CFR 1.121(d | gs in the front (not the | back) of | |
| 7. DEPOSIT OF and/or INFORMATION about the depose attached Examiner's comment regarding REQUIREMENT F | it of BIOLOGICAL MATERIAL m OR THE DEPOSIT OF BIOLOGICA | ust be submitted. N L MATERIAL. | ote the | |
| | | | | |
| Attachment(s) | | | | |
| 1. Notice of References Cited (PTO-892) | 5. Notice of Informal Pa | | -152) | |
| 2. Notice of Draftperson's Patent Drawing Review (PTO-948) | | 6. ☐ Interview Summary (PTO-413), Paper No./Mail Date | | |
| 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date 12/29/2003 | 7. Examiner's Amendm | | | |
| 4. ☐ Examiner's Comment Regarding Requirement for Deposit | 8. 🛛 Examiner's Statemer | nt of Reasons for Allov | vance | |
| of Biological Material | 9. Other | | | |
| | | Venkataraman Bala Examiner Art Unit: 1624 | subramanian | |

Application/Control Number: 09/890,186

Art Unit: 1624

DETAILED ACTION

This is a supplemental action to correct the claims allowed.

Applicants' response filed on 08/29/2003 and supplemental response filed on 12/29/2003, are made of record. Claims 1-4, 9-18, 29, and 34-36 are pending.

REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance:

In view of applicants' response, all 112 second paragraph rejections made in the previous office action have been obviated. Similarly, in view of applicants' amendment to claim 1 limiting to specific variable groups and providing a Declaration of Nathaniel Monck under 37 CFR § 1.132, all prior art 102/103 rejections made in the previous office action have been obviated. More specifically, the declaration In response to prior art 103 rejections over Mokrosz, over Jonas in view of Mokrosz and over Bos in view of Mokrosz, applicants have shown unobvious results by providing a declaration from Nathaniel Monck which compares side by side the closest prior art compound with the instantly claimed compounds. As can be seen from the Table 1 and Table 2, shown in the declaration, the instant compounds show much higher 5-HT_{2c} activity as compared to the prior art compound. Thus the declaration establishing significantly higher 5-HT_{2c} activity for the instantly claimed compounds is deemed sufficient to overcome the rejection under 35 U.S.C. 103(a) rejections applied in the previous office action The Instant claims are therefore deemed to be novel and patentably distinct.

The tricyclic piperazine compound of formula I, with specific X_1 , X_2 , X_3 , X_4 R_1 , R_2 , R_3 , R_4 , R_5 , R_6 , and R_7 groups, process of making, composition, and the method of use

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to treat obesity embraced in the instant claims was not found to be anticipated or

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rendered obvious by the prior art of record. Additional search in the related art area

also did not yield any prior art disclosing the tricyclic piperazine compound of formula I,

with specific X₁, X₂, X₃, X₄ R₁, R₂, R₃, R₄, R₅, R₆, and R₇ groups, process of making,

composition, and the method of use to treat obesity embraced in the instant claims.

Therefore, the examiner noted that the claims 1-4, 9-18, 29, and 34-36 would be in

condition for allowance.

Conclusion

Any inquiry concerning this communication from the examiner should be

addressed to Venkataraman Balasubramanian (Bala) whose telephone number is (571)

272-0662. The examiner can normally be reached on Monday through Thursday from

8.00 AM to 6.00 PM. The Supervisory Patent Examiner (SPE) of the art unit 1624 is

Mukund Shah whose telephone number is (571) 272-0674. If Applicants are unable to

reach Mukund Shah within 24-hour period, they may contact James O. Wilson, Acting-

SPE of art unit 1624 at 571-272-0661. The fax phone number for the organization

where this application or proceeding is assigned (703) 872-9306. Any inquiry of a

general nature or relating to the status of this application or proceeding should be

directed to the receptionist whose telephone number is (571) 272-1600.

V. Balasubramonian

V. Balasubramanian

7/14/2004